

Work Order ID 92376

92376

Page 1

October-30-12 9:21:45 AM

Item ID: D350-578-031

Accept

N900040100

Setup

Start

NS1

Revision ID:

Item Name: Wearplate

Stop

NS2

Start Date: 10/23/12 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 11/09/12 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12-10-30

Tooling: _____

Date: _____

Run

Start

NR1

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Stop

NR2

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|
|--------------------------------|--------------------------|----------------------|---------|--------|--------------|---------------|---------------|------------------|----------------|

| | |
|----------|--------------|
| Draw Nbr | Revision Nbr |
|----------|--------------|

| | |
|---------|------|
| DSI9429 | RevA |
|---------|------|

| | |
|--------------|------|
| IIN D350-578 | RevA |
|--------------|------|

| | |
|-----|------|
| 100 | 0.00 |
|-----|------|

| | |
|-------|------------------|
| *100* | DOCUMENT CONTROL |
|-------|------------------|

| | |
|----|------|
| DC | 0.00 |
|----|------|

| | |
|------------------|------|
| Document Control | Memo |
|------------------|------|

| | |
|--|---|
| | Photocopy bluefile and type labels per PPP D350-578-031 and DSI9429 |
|--|---|

001 CHG

| | |
|--|------|
| | 0.00 |
|--|------|

| | |
|-----|----------|
| 105 | Pick Kit |
|-----|----------|

| | |
|-------|------|
| *105* | 0.00 |
|-------|------|

| | |
|-----------|------|
| Packaging | Memo |
|-----------|------|

| | |
|-----------|------|
| Packaging | 0.00 |
|-----------|------|

| | |
|--|-------------|
| | 12/11/07 JB |
|--|-------------|



12/11/07 JB

NCR: Yes / No

DQA: Date:

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

| | | | | | | | | | | | | |
|--|----------------|---------------------------------|----------------------|---|--|--|--|---------------------------------|--|-------------|--------------|--------------|
| Work Order: _____ Part No. _____ NCR No. _____ | | | | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | | |
| | | | | Rework Scrap Use-as-is Work Order Update | Skid-tube Machining Thermoforming Large Fab | Crosstube Small Fab Finishing Composite | Water Jet Prod. Eng. Coor. Rec/Store/Packaging Supplier | Engineering Quality Other | | | | |
| Root Cause | | Date | Step | Qty | Description of work order update or Non-conformance | | Initial Chief Eng | Action Description | | Sign & Date | Verification | QC Inspector |
| Doc/Data | | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | |
| Material | | | | | | | | | | | | |
| Setup | | | | | | | | | | | | |
| Other | | | | | | | | | | | | |
| Process | | | | | | | | | | | | |
| Supplier | | | | | | | | | | | | |
| Training | | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | |
| Landing Gear | | | | General | | | | | | | | |
| | | | | Bending | Bend | Grain | Ovalized | Pressure/Forced | | | | |
| Centre Not Concentric to O/S | BOM/Route | Hardware | Over/Under tolerance | Temperature/Cure | | | | | | | | |
| Cracks | Broken/Damaged | Inspection Incomplete | Part Incorrect | Weld | | | | | | | | |
| Crushed/Crimped. | Burrs | Instructions Incomplete/Unclear | Part Lost/Missing | Wrong Stock Pulled | | | | | | | | |
| Cuffs | Contamination | Maintenance | Part Moved | | | | | | | | | |
| Heat Treat | Countersink | Mislabeled | Positioned Wrong | | | | | | | | | |
| Inspection Strip in Tube | Cut Too Short | Misread | Power Loss/Surge | | | | | | | | | |
| Ripples in Bend | Drill Holes | Offset | | Other | | | | | | | | |
| Torque Waves in Extrusion | Drawing | Out of Calibration | | | | | | | | | | |
| Turning Sequence | Finish | Out of Sequence | | | | | | | | | | |
| Wave/Twist in Tube | Folio | Outside Dimensions | | | | | | | | | | |

Work Order ID 92376

October-30-12 9:21:45 AM

92376

Page 2

Item ID: D350-578-031

Accept

N900040100

Setup

Start *NS1*

Revision ID:

Item Name: Wearplate

Stop

NS2

Start Date: 10/23/12 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 11/09/12 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan:

Date:

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

110

110

QC

Quality Control

QC4- 100% Inspect kits for completeness

0.00

DAS
15
89
12/11/08

1

120

120

Packaging

Packaging

0.00

Memo

0.00

10

12/11/08

Packaging

Identify and pack for shipping as per PPP D350-578-031 and DSI9429

Location: 6A

PPP Rev: 8

130

130

QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

12/11/08

MLJ 12-11-08

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

| Work Order: _____ | | | DISPOSITION | | AGAINST DEPARTMENT/PROCESS | | | | | |
|---|------|------|--|--|------------------------------------|--|--------------------------------------|--------------|--------------|--|
| | | | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | | |
| | | | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | | |
| | | | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | | |
| | | | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector | |
| Doc/Data | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | |
| Operator | | | | | | | | | | |
| Material | | | | | | | | | | |
| Setup | | | | | | | | | | |
| Other | | | | | | | | | | |
| Process | | | | | | | | | | |
| Supplier | | | | | | | | | | |
| Training | | | | | | | | | | |
| Unapproved | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | |
| Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | | General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | | | | |
| | | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Picklist Print

October-30-12 9:21:44 AM

Page 1

Work Order ID: 92376

Parent Item: D350-578-031

Parent Item Name: Wearplate

Start Date: 10/23/12

Required Date: 11/09/12

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A 09-02-03 new issue DD verified by:JLM

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---------------------------------|------------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|----------|
| AN417A Bolt | | Purchased | No | | | 105 | Each | 539.0000 | 12 | 12 | | JB | |
| | | | | <u>Location</u> | | | <u>Loc Qty</u> | | | | | | |
| | | | | ST357 | | | 500 | | | | | | |
| | | | | 122416 | | | 500 | | | | | | |
| | | | | ST358 | | | 34 | | | | | 122416 | |
| | | | | 116704 | | | 0 | | | | | | |
| | | | | 121541 | | | 34 | | | | | | |
| | | | | ST359 | | | 5 | | | | | | |
| | | | | 112314 | | | 0 | | | | | | |
| | | | | 121068 | | | 5 | | | | | | |
| D385920J Wearplate | | Manufactured | No | | | 105 | Each | 5.0000 | 2 | 2 | | JB | |
| | | | | <u>Location</u> | | | <u>Loc Qty</u> | | | | | | |
| | | | | ST500 | | | 5 | | | | | | |
| | | | | 84015 | | | 4 | | | | | 1X84015 | |
| | | | | 88685 | | | 1 | | | | | 1X88685 | |
| MS21042L4 Nut | | Purchased | No | | | 105 | Each | 6,281.0000 | 12 | 12 | | JB | 12/11/07 |
| | | | | <u>Location</u> | | | <u>Loc Qty</u> | | | | | | |
| | | | | 314 | | | 754 | | | | | | |
| | | | | 122452 | | | 754 | | | | | | |
| | | | | ST300 | | | 27 | | | | | | |
| | | | | 119017 | | | 20 | | | | | | |
| | | | | 121444 | | | 7 | | | | | | |
| | | | | ST314 | | | 5500 | | | | | 123021 | |
| | | | | 123021 | | | 3000 | | | | | | |
| | | | | 123248 | | | 900 | | | | | | |
| | | | | 123355 | | | 1600 | | | | | | |

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

| Work Order: _____ | | DISPOSITION | | | AGAINST DEPARTMENT/PROCESS | | | | | | | | | | | | | | | | | |
|---|------|--|--------------------------------|--|------------------------------------|------------------------------------|--|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|---|--|-----------------------------------|--------------------------------------|----------------------------------|---|--|--|--|
| Part No. _____ | | Rework <input type="checkbox"/> | Scrap <input type="checkbox"/> | Use-as-is <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Machining <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Finishing <input type="checkbox"/> | Composite <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Supplier <input type="checkbox"/> | Engineering <input type="checkbox"/> | Quality <input type="checkbox"/> | Other <input type="checkbox"/> | | | |
| NCR No. _____ | | Work Order Update <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | |
| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | | Initial Chief Eng | Action Description | | | Sign & Date | Verification | | QC Inspector | | | | | | | | | |
| Doc/Data | | | | | | | | | | | | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | | | | | | | | | | | |
| Material | | | | | | | | | | | | | | | | | | | | | | |
| Setup | | | | | | | | | | | | | | | | | | | | | | |
| Other | | | | | | | | | | | | | | | | | | | | | | |
| Process | | | | | | | | | | | | | | | | | | | | | | |
| Supplier | | | | | | | | | | | | | | | | | | | | | | |
| Training | | | | | | | | | | | | | | | | | | | | | | |
| Unapproved | | | | | | | | | | | | | | | | | | | | | | |
| FAULT CATEGORY | | | | | | | | | | | | | | | | | | | | | | |
| Landing Gear | | | | General | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube | | | | <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions | | | | | | | | | | | <input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge <input type="checkbox"/> Other | | | | <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled | | | |

Picklist Print

October-30-12 9:21:44 AM

Page 2

Work Order ID: 92376

Parent Item: D350-578-031

Parent Item Name: Wearplate

Start Date: 10/23/12

Required Date: 11/09/12

Start Qty: 1.00

Required Qty: 1.00

NAST149D04630

Washer

Purchased No 105 Each 6,096.0000 12 12

JB 12/11/12



SM

| | <u>Location</u> | <u>Loc Qty</u> | <u>Loc Code</u> |
|--|-----------------|----------------|-----------------|
| | 298 | 156 | |
| | 122441 | 156 | |
| | ST294 | 4480 | |
| | 123248 | 82 | 123355 |
| | 123355 | 4398 | |
| | ST298 | 1422 | |
| | 104746 | 1 | |
| | 116805 | 0 | |
| | 119073 | 20 | |
| | 122452 | 1401 | |
| | ST299 | 38 | |
| | 121912 | 38 | |

NCR: Yes / No

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

| | | | | | | | | | |
|-------------------|--|--|------------------------------------|--|--------------------------------------|--|--|--|--|
| Work Order: _____ | DISPOSITION | | | AGAINST DEPARTMENT/PROCESS | | | | | |
| Part No. _____ | Rework <input type="checkbox"/> | Skid-tube <input type="checkbox"/> | Crosstube <input type="checkbox"/> | Water Jet <input type="checkbox"/> | Engineering <input type="checkbox"/> | | | | |
| NCR No. _____ | Scrap <input type="checkbox"/> | Machining <input type="checkbox"/> | Small Fab <input type="checkbox"/> | Prod. Eng. Coor. <input type="checkbox"/> | Quality <input type="checkbox"/> | | | | |
| | Use-as-is <input type="checkbox"/> | Thermoforming <input type="checkbox"/> | Finishing <input type="checkbox"/> | Rec/Store/Packaging <input type="checkbox"/> | Other <input type="checkbox"/> | | | | |
| | Work Order Update <input type="checkbox"/> | Large Fab <input type="checkbox"/> | Composite <input type="checkbox"/> | Supplier <input type="checkbox"/> | | | | | |

| Root Cause | Date | Step | Qty | Description of work order update or Non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---------------|------|------|-----|---|-------------------|--------------------|-------------|--------------|--------------|
| Doc/Data | | | | | | | | | |
| Equip/Tooling | | | | | | | | | |
| Operator | | | | | | | | | |
| Material | | | | | | | | | |
| Setup | | | | | | | | | |
| Other | | | | | | | | | |
| Process | | | | | | | | | |
| Supplier | | | | | | | | | |
| Training | | | | | | | | | |
| Unapproved | | | | | | | | | |

FAULT CATEGORY

| Landing Gear | General | | | | | | | | | |
|------------------------------|--------------------------|----------------|--------------------------|---------------------------------|--------------------------|----------------------|--------------------------|--------------------|--|--|
| Bending | <input type="checkbox"/> | Bend | <input type="checkbox"/> | Grain | <input type="checkbox"/> | Ovalized | <input type="checkbox"/> | Pressure/Forced | | |
| Centre Not Concentric to O/S | <input type="checkbox"/> | BOM/Route | <input type="checkbox"/> | Hardware | <input type="checkbox"/> | Over/Under tolerance | <input type="checkbox"/> | Temperature/Cure | | |
| Cracks | <input type="checkbox"/> | Broken/Damaged | <input type="checkbox"/> | Inspection Incomplete | <input type="checkbox"/> | Part Incorrect | <input type="checkbox"/> | Weld | | |
| Crushed/Crimped | <input type="checkbox"/> | Burrs | <input type="checkbox"/> | Instructions Incomplete/Unclear | <input type="checkbox"/> | Part Lost/Missing | <input type="checkbox"/> | Wrong Stock Pulled | | |
| Cuffs | <input type="checkbox"/> | Contamination | <input type="checkbox"/> | Maintenance | <input type="checkbox"/> | Part Moved | <input type="checkbox"/> | | | |
| Heat Treat | <input type="checkbox"/> | Countersink | <input type="checkbox"/> | Mislabeled | <input type="checkbox"/> | Positioned Wrong | <input type="checkbox"/> | | | |
| Inspection Strip in Tube | <input type="checkbox"/> | Cut Too Short | <input type="checkbox"/> | Misread | <input type="checkbox"/> | Power Loss/Surge | <input type="checkbox"/> | Other | | |
| Ripples in Bend | <input type="checkbox"/> | Drill Holes | <input type="checkbox"/> | Offset | | | | | | |
| Torque Waves in Extrusion | <input type="checkbox"/> | Drawing | <input type="checkbox"/> | Out of Calibration | | | | | | |
| Turning Sequence | <input type="checkbox"/> | Finish | <input type="checkbox"/> | Out of Sequence | | | | | | |
| Wave/Twist in Tube | <input type="checkbox"/> | Folio | <input type="checkbox"/> | Outside Dimensions | | | | | | |

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-578 REV. F OR EARLIER
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-578 REV. 1 OR EARLIER

REF. TCCA STC: SH93-4
REF. FAA STC: SR00028NY
REF. FAA STC: SR00029NY
REF. EASA STC: EASA.IMP.R.S.01389
REF. ARGENTINA STC: CTS-0508.13(A)

The D350-578-031 Wearplate kit can be installed on D350-578-011/021 Bearpaw installations. The D3859-041 Wearplates should be installed on the D2432F or D2672F Bearpaws as shown in Figure 1 on Sheet 2 of this Service Instruction. The Bearpaws should otherwise be installed on the skidtube per installation instructions D350-578 Rev F or earlier.

Customers with old style bearpaws will need to rework the counterbore on the bottom of the bearpaws per Figure 1 on Sheet 2 of this service instruction.

WEIGHT AND BALANCE

| Installation | Weight | Lateral | | Longitudinal | |
|-------------------------------|--------------------|-----------------|-----------------------|--------------------|--------------------------|
| | | Arm | Moment | Arm | Moment |
| D350-578-031 Wearplate Kit | 3.00 lb 1.36 kg | 0.0 in 0.0 m | 0.0 in-lb 0.0 m-kg | 157.0 in 3.99 m | 471.0 in-lb 5.43 m-kg |

PARTS LIST

| QTY. -031 | PART NUMBER | DESCRIPTION |
|--------------|---------------|--------------------|
| X | D350-578-031 | Wearplate Kit |
| 2 | D3859-041 | Wearplate |
| 12 | AN4-17A | Bolt |
| 12 | NAS1149D0463J | Washer |
| 12 | MS21042L4 | Nut or (MS21042-4) |

NO. 92376 MUL 12-10-30

SHQ/CC/

RETURN TO

ENGINEERED

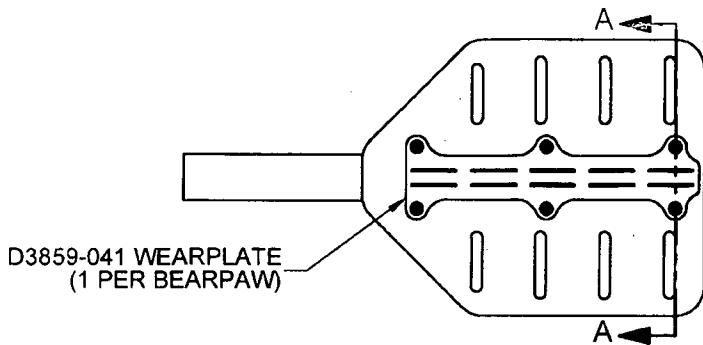
SUBJECT TO AIRCRAFT

WITHDRAWAL

WORKS

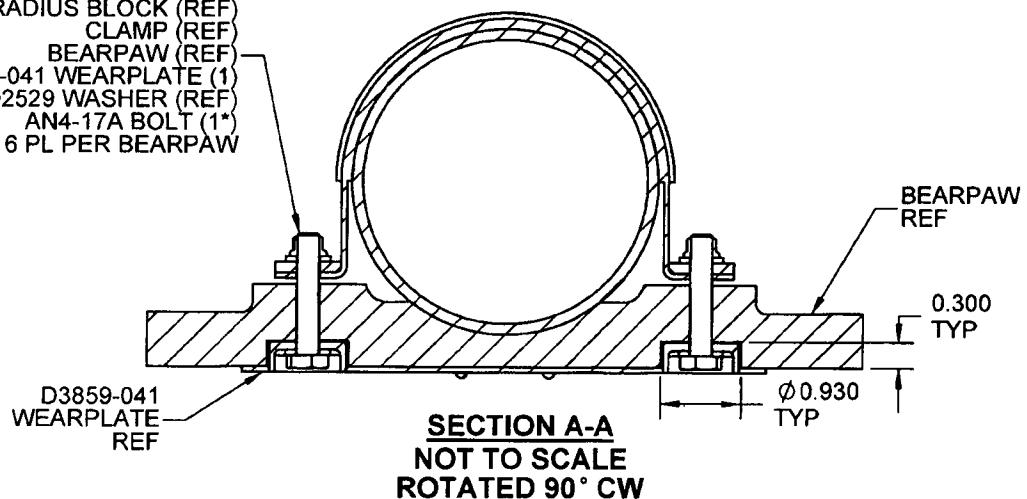
| | |
|-------------------------|-----------------------|
| CANADA | |
| DEPARTMENT OF TRANSPORT | |
| AIRCRAFT CERTIFICATION | |
| BRANCH | |
| DAO # 01-0-01 | |
| APPROVED | |
| BY: | D. SHEPHERD (DE # 02) |
| DATE: | 09.01.15 |
| CERT. NO.: | SH93-4 |
| ISSUE NO.: | 7 |

| | | |
|------------|-------------|--|
| A | NEW ISSUE | 09.01.15 |
| REV. | DESCRIPTION | BY DATE |
| DESIGN | BS | REV. A |
| DRAWN | BS | SHEET 1 OF 2 |
| CHECKED | B | |
| MFG. APPR. | N/A | NTS |
| APPROVED | BS | |
| DE APPR. | BS | |
| DATE | 09.01.15 | COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. |



BOTTOM VIEW

MS21042L4 NUT(1)
 NAS1149D0463J WASHER (1*)
 D2274 RADIUS BLOCK (REF)
 CLAMP (REF)
 BEARPAW (REF)
 D3859-041 WEARPLATE (1)
 D2529 WASHER (REF)
 AN4-17A BOLT (1*)
 6 PL PER BEARPAW



* ADDITIONAL NAS1149D0463J WASHERS MAY BE INSTALLED UNDER NUTS TO ENSURE 1.5 - 4 THREADS IN SAFETY ON BOLTS. ALTHOUGH NOT GENERALLY NECESSARY, IT IS ALSO ACCEPTABLE TO REPLACE THE AN4-17A BOLTS WITH LONGER OR SHORTER AN4 BOLTS, IF REQUIRED.

FIGURE 1: D350-578-031 WEARPLATE KIT

CANADA
 DEPARTMENT OF TRANSPORT
 AIRCRAFT CERTIFICATION
 BRANCH
 DAO # 01-O-01

APPROVED
 BY: *[Signature]*
 D. SHEPHERD (DE # 02)

DATE: 09.01.15
 CERT. NO.: SH93-4
 ISSUE NO.: 7

92376

| | | | | | |
|--|-----------|-----------------------------|--------|--|--|
| DESIGN | <i>AB</i> | DART AEROSPACE LTD | | | |
| DRAWN | <i>AB</i> | HAWKESBURY, ONTARIO, CANADA | | | |
| CHECKED | <i>AB</i> | DRAWING NO. | | | |
| MFG. APPR. | N/A | DSI 9429 | REV. A | | |
| APPROVED | <i>AB</i> | SHEET 2 OF 2 | | | |
| DE APPR. | <i>AB</i> | TITLE | | | |
| DATE | 09.01.15 | WEARPLATE KIT | | | |
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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-578 REV. F OR EARLIER
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D350-578 REV. 1 OR EARLIER

REF. TCCA STC: SH93-4
REF. FAA STC: SR00028NY
REF. FAA STC: SR00029NY
REF. EASA STC: EASA.I.M.R.S.01389
REF. ARGENTINA STC: CTS-0508.13(A)

The D350-578-031 Wearplate kit can be installed on D350-578-011/-021 Bearpaw installations. The D3859-041 Wearplates should be installed on the D2432F or D2672F Bearpaws as shown in Figure 1 on Sheet 2 of this Service Instruction. The Bearpaws should otherwise be installed on the skidtube per installation instructions D350-578 Rev F or earlier.

Customers with old style bearpaws will need to rework the counterbore on the bottom of the bearpaws per Figure 1 on Sheet 2 of this service instruction.

WEIGHT AND BALANCE

| Installation | Weight | Lateral | | Longitudinal | |
|-------------------------------|--------------------|-----------------|-----------------------|--------------------|--------------------------|
| | | Arm | Moment | Arm | Moment |
| D350-578-031 Wearplate Kit | 3.00 lb 1.36 kg | 0.0 in 0.0 m | 0.0 in-lb 0.0 m-kg | 157.0 in 3.99 m | 471.0 in-lb 5.43 m-kg |

PARTS LIST

| QTY. 2031 | PART NUMBER | DESCRIPTION |
|--------------|---------------|--------------------|
| X | D350-578-031 | Wearplate Kit |
| 2 | D3859-041 | Wearplate |
| 12 | AN4-17A | Bolt |
| 12 | NAS1149D0463J | Washer |
| 12 | MS21042L4 | Nut or (MS21042-4) |

| | |
|-------------------------|--------------------|
| CANADA | |
| DEPARTMENT OF TRANSPORT | |
| AIRCRAFT CERTIFICATION | |
| BRANCH | |
| DAO # 01-O-01 | |
| APPROVED | |
| BY: | <i>[Signature]</i> |
| D. SHEPHERD (DE # 02) | |
| DATE: | 09.01.15 |
| CERT. NO.: | SH93-4 |
| ISSUE NO.: | 7 |

| | | | |
|------------|--------------------|--|--------------|
| A | NEW ISSUE | <i>[Signature]</i> | 09.01.15 |
| REV. | DESCRIPTION | BY | DATE |
| DESIGN | <i>[Signature]</i> | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| DRAWN | <i>[Signature]</i> | | |
| CHECKED | <i>[Signature]</i> | DRAWING NO. | REV. A |
| MFG. APPR. | N/A | DSI 9429 | SHEET 1 OF 2 |
| APPROVED | <i>[Signature]</i> | TITLE | SCALE |
| DE APPR. | <i>[Signature]</i> | WEARPLATE KIT | NTS |
| DATE | 09.01.15 | COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. | |